

REMARKS

Reconsideration and allowance in view of the following comments are respectfully requested. The prior art grounds of rejection are respectfully traversed.

In Applicant's view, the claimed inventions differ in a patentable manner from the teachings of Ota (US Patent 5,194,960). According to Ota, each pixel data is multiplied by a weight value and, then, multiplied pixel data are added as an evaluation value. So, the image sensor of Ota should have an arithmetic and logic unit, i.e., a CPU 20 shown in Fig. 1 which can perform the above multiplication and addition.

In contrast, our claimed inventions need only two counters for counting a number of first and second pixels of an image frame. The first pixel has a luminance value being higher than a first predetermined level and the second pixels has a luminance value being lower than a second predetermined level. Thus, our claimed auto exposing arrangements are simpler in structure than that of Ota and more efficient in operation speed.

All outstanding matters having been addressed, it is respectfully submitted that the present application is in a condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,

By: 

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:
JOON-HWAN KIM

Confirmation Number: 7153

Application No.: 09/751,451

Group Art Unit: 2615

Filed: January 2, 2001

Examiner: Gevell V. SELBY

For: AUTO EXPOSING APPARATUS FOR USE IN IMAGE SENSOR

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Technology Center 2600

AMENDMENT/RESPONSE TRANSMITTAL

Transmitted herewith is an amendment/response for this application.

FEES

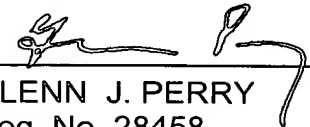
The fee for claims and extension of time (37 C.F.R. 1.16 and 1.17) has been calculated as shown below:

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT. FEE
TOTAL	11	- 20	= 0 x	\$ 18.00	= \$ 0.00
INDEP.	3	- 3	= 0 x	\$ 86.00	= \$ 0.00
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			+ \$	290.00	= \$ 0.00
TOTAL ADDITIONAL CLAIM FEE					\$ 0.00
GRAND TOTAL					\$ 0.00

FEE PAYMENT

Authorization is hereby made to charge the amount of \$0.00 to Deposit Account No. 033975. Charge any additional fees required by this paper or credit any overpayment in the manner authorized above. A duplicate of this paper is attached.

Date: January 5, 2004
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